

Overview

The **CMS for Azure Stack Hub** is a management and billing platform for Azure Stack Hub that connects technical service delivery with commercial operations. It is designed for service providers, enterprises, and partners who need to operate Azure Stack Hub as a structured, multi-tenant cloud service.

The screenshot displays the CloudAxis Billing interface. On the left is a navigation sidebar with options: Dashboard, Notifications, Subscriptions, Billing (selected), Relationships, Pricing, Settings, Regions, Settings, and Users. The main content area is titled 'Billing' and has tabs for BILLING, INVOICES, and COMMISSIONS. Below the tabs, there are three summary boxes: 'This Month : 1,288.76 USD', 'Last Month : 1,301.86 USD', and 'Selected : 1,288.76 USD'. Below these are filters for Tenant (All Tenants), Subscription (All Subscriptions), and a date selector (2025-09). A search bar is also present. The main table shows resource usage with columns: Region, Tenant, Subscription, Resource Type, Meter, Resource Name, and Total Cost (USD). The table is divided into sections: 'Managed Disks' and 'Compute'. The 'Managed Disks' section shows one entry for 'disk-linx-data01' with a cost of 11.23. The 'Compute' section shows four entries for different VMs with costs ranging from 195.97 to 669.56.

Region	Tenant	Subscription	Resource Type	Meter	Resource Name	Total Cost (USD)
Managed Disks						
Australia - North West	City Council	Subscription 1	Managed Disks	P10 Disk (128 GB Premium)	disk-linx-data01	11.23
Compute						
Australia - North West	City Council	Subscription 1	Compute	Standard F2s v2 (Base)	vm-linux	196.26
Australia - North West	City Council	Subscription 1	Compute	Standard A7 (Base)	vm-linux2	669.56
Australia - North West	Petes Distributors	Subscription 2	Compute	Standard F2s v2 (Base)	vm-linux3	195.97
Australia - North West	Preston Law	Sub 1	Compute	Standard F2s v2 (Base)	vm-sql01	195.97

At its core, the CMS provides a layered model that reflects how services are delivered and monetized:

- **Platform Administrators** operate and configure the system. They publish pricing, manage global settings, and oversee usage processing across regions.
- **Distributors** represent the top commercial tier beneath the platform. They manage multiple partners and have visibility into aggregated usage, billing, and commissions.
- **Partners** act as the customer-facing organizations. They onboard tenants, manage subscriptions, and handle tenant-level billing and support.
- **Tenants** are the consuming organizations. They manage their own subscriptions and users, while billing and usage flow upward to the partner and distributor.
- **Subscriptions** are the unit of consumption within a tenant. They tie workloads to plans and quotas, generate usage records, and form the basis for billing and invoicing.

This hierarchy ensures that both technical and commercial responsibilities are aligned. Usage flows upward from subscriptions to tenants, partners, and distributors, while pricing, commissions, and governance flow downward from the platform.

Key capabilities include:

- **Unified Multi-Tier Management** – Administrators, distributors, partners, and tenants are modeled consistently in the system.
- **Automated Billing** – Usage data is collected, rated, and reconciled into invoices at the subscription and tenant level.
- **Flexible Pricing and Discounts** – Flat and tiered rates, credits, and overrides can be applied at multiple scopes.
- **Commission Frameworks** – Built-in logic for calculating and attributing commissions to partners and distributors.
- **API-Driven Operations** – All functions are exposed through a standards-based REST API for automation and integration.
- **Branding and Delegation** – Each level of the hierarchy can be branded appropriately, with role-based access control ensuring least-privilege delegation.

The CMS provides the foundation to operate Azure Stack Hub as a commercial service, supporting both external service providers and internal enterprise IT. By unifying consumption data, pricing models, billing, and commissions under a single platform, it enables organizations to deliver cloud services with transparency, accountability, and commercial accuracy.

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